

700900-4042860

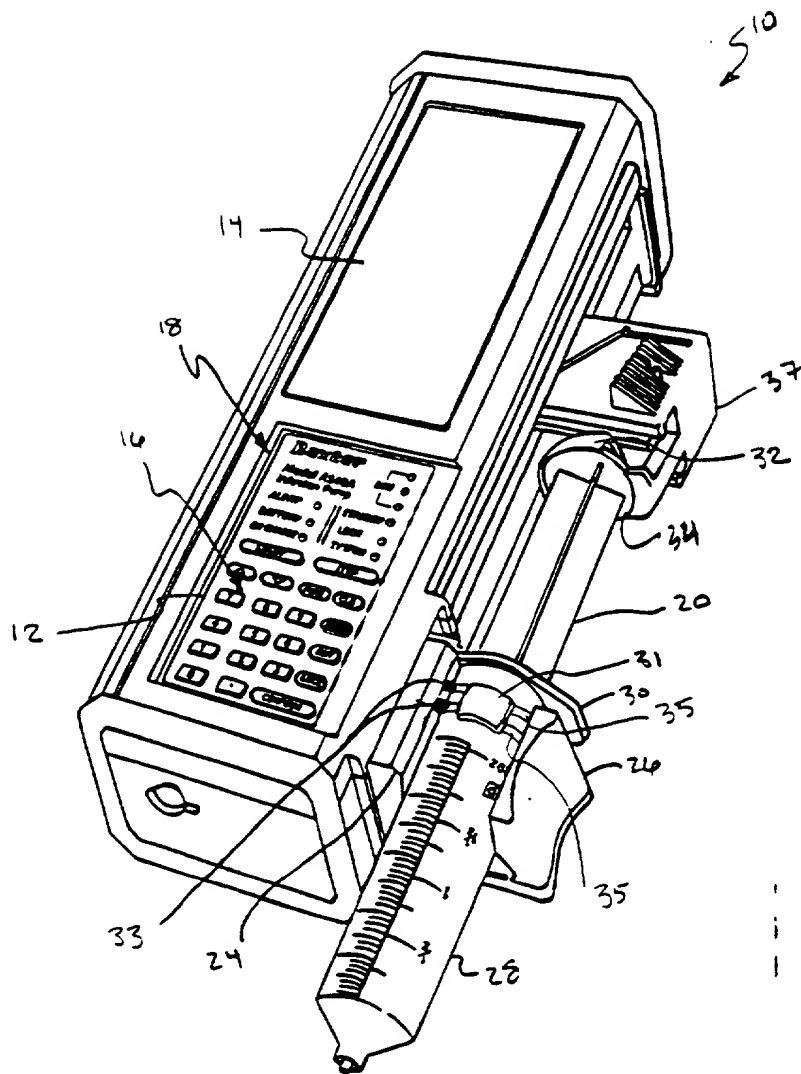
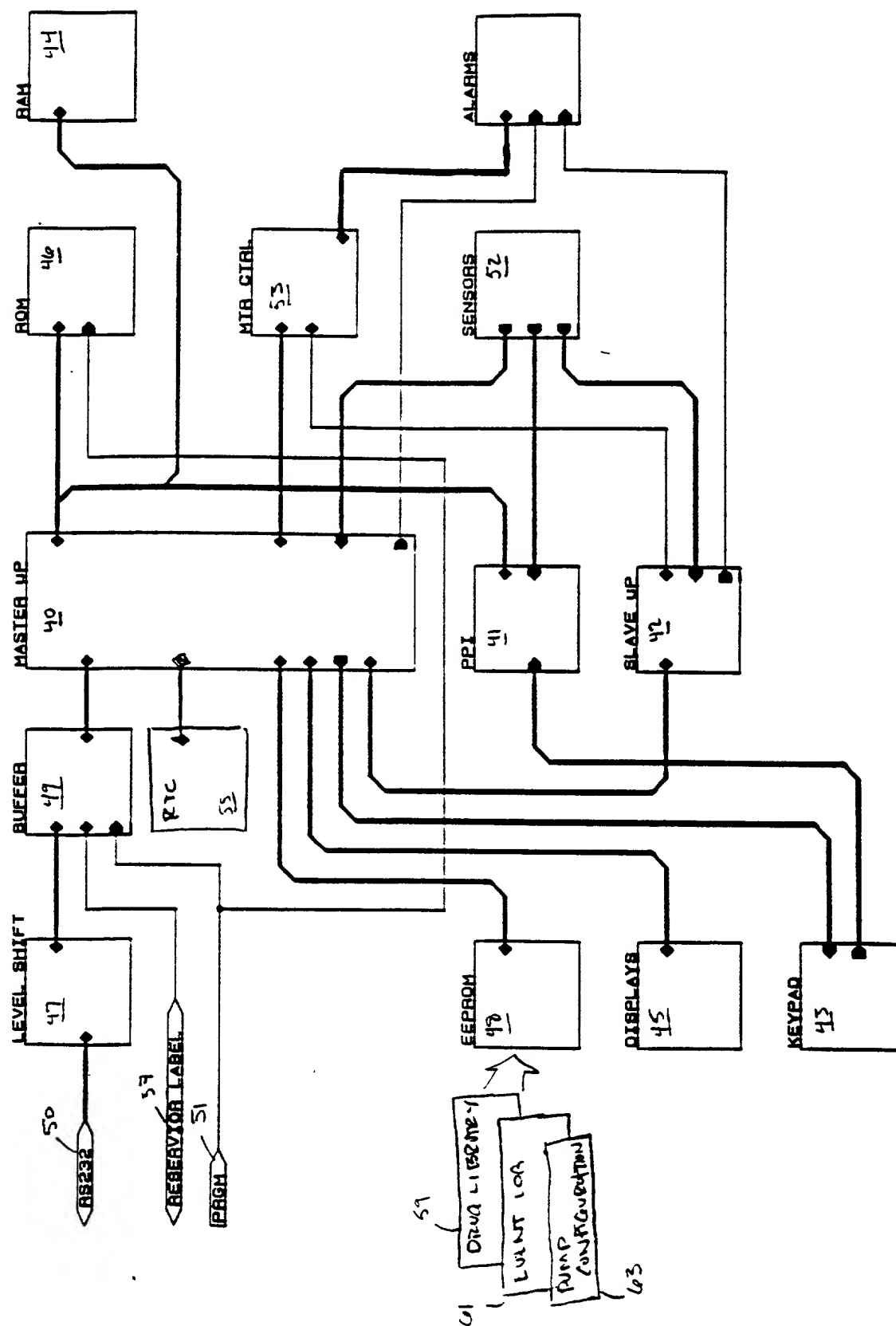


FIG 1

Variable	Mean	SD	Min	Max
Age	34.5	10.5	20	65
Gender	1.0	0.0	0	1
Marital status	1.0	0.0	0	1
Education	12.5	1.5	9	16
Income	1.5	0.5	1	3
Health status	1.0	0.0	0	1
Employment status	1.0	0.0	0	1
Living with family	1.0	0.0	0	1
Living with friends	1.0	0.0	0	1
Living alone	1.0	0.0	0	1
Living with parents	1.0	0.0	0	1
Living with siblings	1.0	0.0	0	1
Living with spouse	1.0	0.0	0	1
Living with children	1.0	0.0	0	1
Living with pets	1.0	0.0	0	1
Living with other relatives	1.0	0.0	0	1
Living with friends	1.0	0.0	0	1
Living alone	1.0	0.0	0	1
Living with parents	1.0	0.0	0	1
Living with siblings	1.0	0.0	0	1
Living with spouse	1.0	0.0	0	1
Living with children	1.0	0.0	0	1
Living with pets	1.0	0.0	0	1
Living with other relatives	1.0	0.0	0	1
Living with friends	1.0	0.0	0	1
Living alone	1.0	0.0	0	1
Living with parents	1.0	0.0	0	1
Living with siblings	1.0	0.0	0	1
Living with spouse	1.0	0.0	0	1
Living with children	1.0	0.0	0	1
Living with pets	1.0	0.0	0	1
Living with other relatives	1.0	0.0	0	1
Living with friends	1.0	0.0	0	1
Living alone	1.0	0.0	0	1
Living with parents	1.0	0.0	0	1
Living with siblings	1.0	0.0	0	1
Living with spouse	1.0	0.0	0	1
Living with children	1.0	0.0	0	1
Living with pets	1.0	0.0	0	1
Living with other relatives	1.0	0.0	0	1
Living with friends	1.0	0.0	0	1
Living alone	1.0	0.0	0	1
Living with parents	1.0	0.0	0	1
Living with siblings	1.0	0.0	0	1
Living with spouse	1.0	0.0	0	1
Living with children	1.0	0.0	0	1
Living with pets	1.0	0.0	0	1
Living with other relatives	1.0	0.0	0	1
Living with friends	1.0	0.0	0	1
Living alone	1.0	0.0	0	1
Living with parents	1.0	0.0	0	1
Living with siblings	1.0	0.0	0	1
Living with spouse	1.0	0.0	0	1
Living with children	1.0	0.0	0	1
Living with pets	1.0	0.0	0	1
Living with other relatives	1.0	0.0	0	1
Living with friends	1.0	0.0	0	1
Living alone	1.0	0.0	0	1
Living with parents	1.0	0.0	0	1
Living with siblings	1.0	0.0	0	1
Living with spouse	1.0	0.0	0	1
Living with children	1.0	0.0	0	1
Living with pets	1.0	0.0	0	1
Living with other relatives	1.0	0.0	0	1
Living with friends	1.0	0.0	0	1
Living alone	1.0	0.0	0	1
Living with parents	1.0	0.0	0	1
Living with siblings	1.0	0.0	0	1
Living with spouse	1.0	0.0	0	1
Living with children	1.0	0.0	0	1
Living with pets	1.0	0.0	0	1
Living with other relatives	1.0	0.0	0	1
Living with friends	1.0	0.0	0	1
Living alone	1.0	0.0	0	1
Living with parents	1.0	0.0	0	1
Living with siblings	1.0	0.0	0	1
Living with spouse	1.0	0.0	0	1
Living with children	1.0	0.0	0	1
Living with pets	1.0	0.0	0	1
Living with other relatives	1.0	0.0	0	1
Living with friends	1.0	0.0	0	1
Living alone	1.0	0.0	0	1
Living with parents	1.0	0.0	0	1
Living with siblings	1.0	0.0	0	1
Living with spouse				



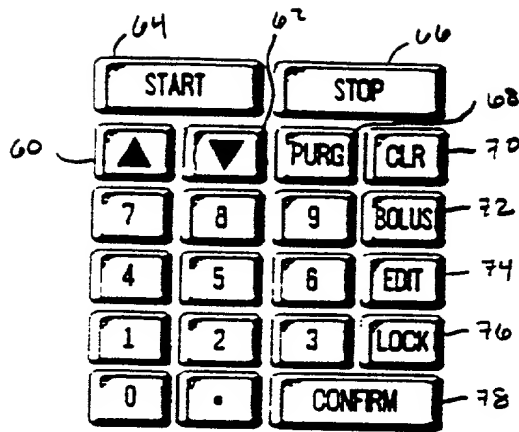


FIG. 3

0987404-080804





































FIELD 1	SYRINGE mfr/size	 / 18.8
FIELD 2	INFUSE RATE	   mL/hr
FIELD 3	OVER BODY WT	    kg hr:min
FIELD 4	EVERY CONC.	    Units mg/mL hr:min
FIELD 5	NEXT DOSE IN	    mg/L/hr mcg/kg hr:min
FIELD 6	TOTAL VOL LIMIT	   mgrams mL mcg
FIELD 7	TOTAL	   mL
FIELD 8	             	

FIG. 4

09877404, 050801
T02050, 404/2860

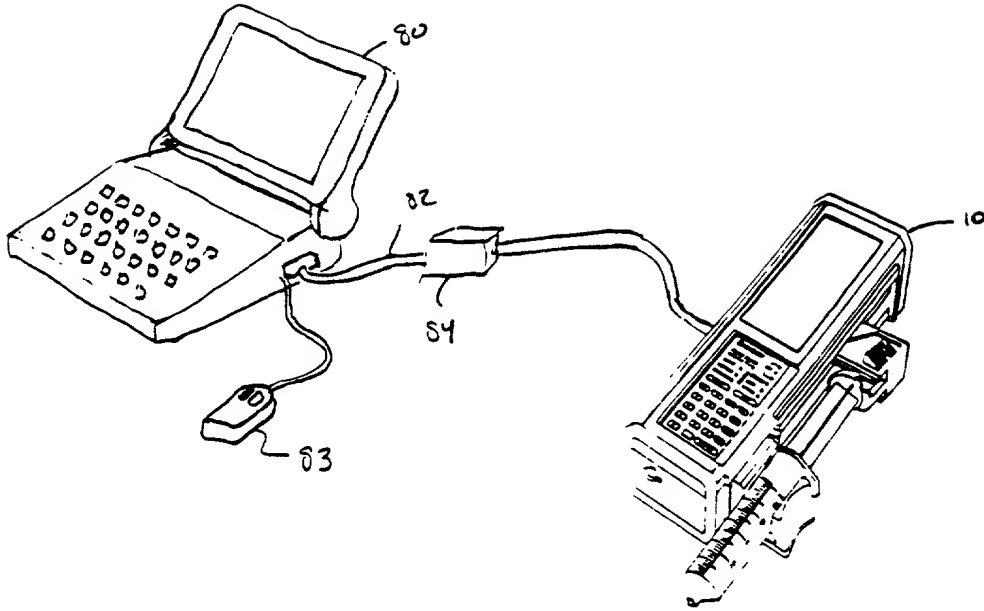


FIG. 5

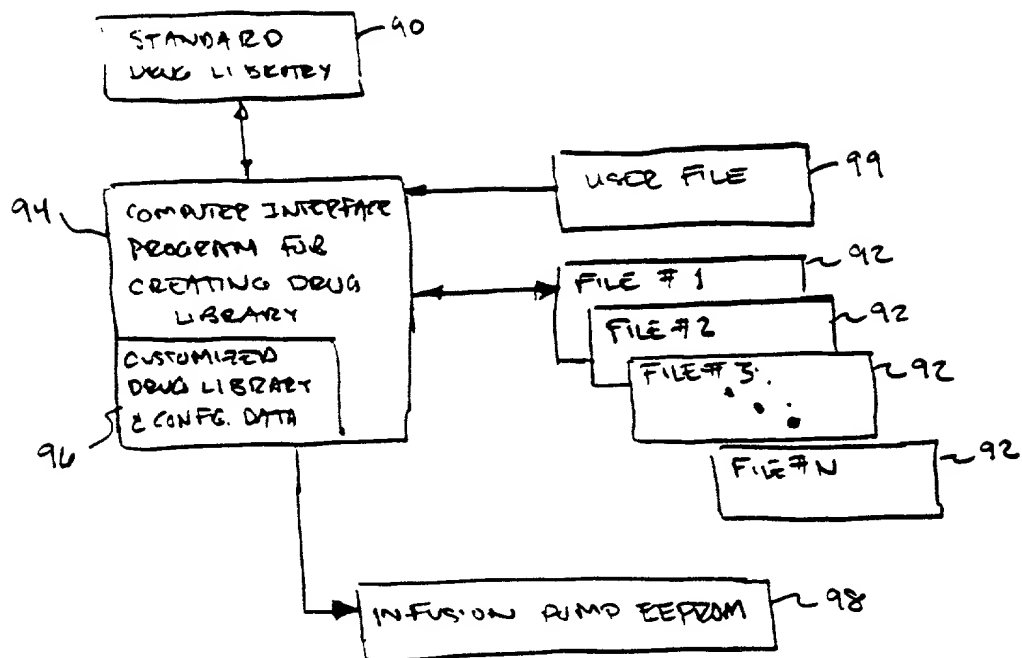


FIG. 6

0507404 030301

MAIN MENU

DRUG LIBRARY
 CONFIGURE MODES
CONFIGURE MFRS
 CONFIGURE SYRINGES
 CONFIGURE DEFAULTS
 CONFIGURE MISC
 CONFIGURE IDENT
 READ FROM FILE
 WRITE TO FILE
 WRITE TO FILE WITH APPROVAL
 GET FROM PUMP
 LOAD PUMP
 VIEW/PRINT DRUG LIBRARY/CONFIGURATION
 VIEW/PRINT ACTIVITY LOG
 LOCK
 GRAPHICAL TOOL
 EXIT

▲ = Previous choice
 ▼ = Next choice
 ENTER = Select

FIG. 7

1 of 39
DRUG LIST

DRUG NAME & CONCENTRATION	T Y P E	min def max	DOSE	min def max	BOLUS	MAX. BOLUS RATE & CONFIG ON IN PUMP
* alfentan	S	.5	mcg/kg/min	25	mcg/kg	50 mcg/kg/min
.25 ug/ml		1.5		75		
		3		175		Config: Y

F1 = Help
 F2 = Edit a custom drug
 F3 = Create a custom drug
 F4 = Delete a custom drug
 F7 = Toggle config.
 F9 = Graphical Tool
 * = Indicates Drug selected

(SPACEBAR) = Select/deselect drug
 ENTER = Save and return to main menu

HOME = First drug
 END = Last drug
 ▲ = Previous drug
 ▼ = Next drug

Lower case drug name indicates pediatric drug

FIG. 8

060301-10472860

CREATE/EDIT A CUSTOM DRUG					
DRUG NAME & CONCENTRATION	T Y P E	min def max	DOSE	min def max	BOLUS MAX. BOLUS RATE & CONFIG ON IN PUMP
* _____ _____ mg/ml	C	_____	mcg/kg/min	_____	mcg/kg _____ Config: Y

F1 = Help F5 = Toggle drug mode F6 = Toggle pediatric/adult ESC = Cancel changes F9 = Graphical Tool * = Indicates drug selected	TAB = Next field LEFT ARROW = Previous character RIGHT ARROW = Next character DEL = Delete character ENTER = Save and return to drug list
---	---

Fig. 9

CREATE/EDIT A CUSTOM DRUG					
DRUG NAME & CONCENTRATION	T Y P E	min def max	DOSE	min def max	BOLUS MAX. BOLUS RATE & CONFIG ON IN PUMP
* NEW DRUG 25 mg/ml	C	100 200 300	mcg/kg/min	1 2 3	mcg/kg 400 mcg/kg/min Config: Y

F1 = Help F5 = Toggle drug mode F6 = Toggle pediatric/adult ESC = Cancel changes * = Indicates drug selected	TAB = Next field LEFT ARROW = Previous character RIGHT ARROW = Next character DEL = Delete character ENTER = Save and return to drug list
--	---

FIG. 10

RATE _____ mL/hr

ML/HR

FIG. 13a

CONC. _____ $\frac{\text{Units}}{\text{mL}}$

DOSE _____ U/hr

UNITS/HR

FIG. 13b

DOSE _____ mL

OVER _____ hr:min

SINGLE DOSE

FIG. 13c

INFUSE _____ mL

OVER _____ hr:min

EVERY _____ hr:min

MANUAL SCHEDULE

FIG 13d

INFUSE _____ mL

OVER _____ hr:min

EVERY _____ hr:min

AUTO SCHEDULE

FIG 13e

CONC. _____ mg/mL

DOSE _____ $\frac{\text{mg}}{\text{min}}$

MG/MIN

FIG 13f

BODY WT _____ kg

CONC. _____ mg/mL

DOSE _____ $\frac{\text{mg}}{\text{kg}} \cdot \frac{1}{\text{min}}$

MG/KG/MIN

FIG. 13g

Table 1. Demographic characteristics of the study population	
Age (years)	65.0 ± 10.0
Gender	
Male	50 (50.0%)
Female	50 (50.0%)
Education (years)	12.0 ± 2.0
Marital status	
Married	40 (80.0%)
Single	10 (20.0%)
Occupation	
Retired	30 (60.0%)
Unemployed	20 (40.0%)
Income (USD/month)	1000.0 ± 500.0
Health status	
Good	30 (60.0%)
Poor	20 (40.0%)
Comorbidities	
Hypertension	15 (30.0%)
Diabetes	10 (20.0%)
Cholesterol	12 (24.0%)
Smoking status	
Smoker	10 (20.0%)
Non-smoker	40 (80.0%)
Alcohol consumption	
Regular	5 (10.0%)
Occasional	15 (30.0%)
Never	30 (60.0%)

SYRINGES MENU			
B-D	1ML	Y	
B-D	3ML	Y	
B-D	5ML	Y	
B-D	10ML	Y	
B-D	20ML	Y	
B-D	30ML	Y	
B-D	60ML	Y	
MONOJECT	1ML	Y	
MONOJECT	3ML	Y	
MONOJECT	6ML	Y	
MONOJECT	12ML	Y	
MONOJECT	20ML	Y	
MONOJECT	35ML	Y	
MONOJECT	60ML	Y	
TERUMO	1ML	Y	
TERUMO	3ML	Y	
TERUMO	5ML	Y	
TERUMO	10ML	Y	
TERUMO	20ML	Y	
TERUMO	30ML	Y	
TERUMO	60ML	Y	

-

▽ = Previous syr

△ = Next syr

(SPACEBAR) = Change configuration

ENTER = Save and return to main menu

FIG. 15

DEFAULTS MENU	
DRUG DEFAULT	Y
MODE DEFAULT	Y
MFR DEFAULT	Y
SYRINGE DEFAULT	Y

▽ = Previous default
 ▲ = Next default
 <SPACEBAR> = Change configuration
 ENTER = Save and return to main menu

Fig. 14

MISCELLANEOUS FEATURES MENU

DRUG LIBRARY ENABLE	Y
SYRINGE RECOGNITION	Y
SYRINGE DETECTION	Y
PSI RANGE	M
RATE RANGE	H
AUTO LOCK	N
VOLUME LIMIT	Y
SILENT RUNNING	N
IDLE ALARM	N

▽ = Previous feature

△ = Next feature

<SPACEBAR> = Change configuration

ENTER = Save and return to main menu

Fig. 19

CREATE/EDIT PUMP IDENTIFIER

Type in identifier and press ENTER
(Legal char's: A-Z, 0-9, dash & space)

ESC = Cancel changes

DEL = Delete character

LEFT ARROW = Previous character

RIGHT ARROW = Next character

Fig. 18

FIG. 19a

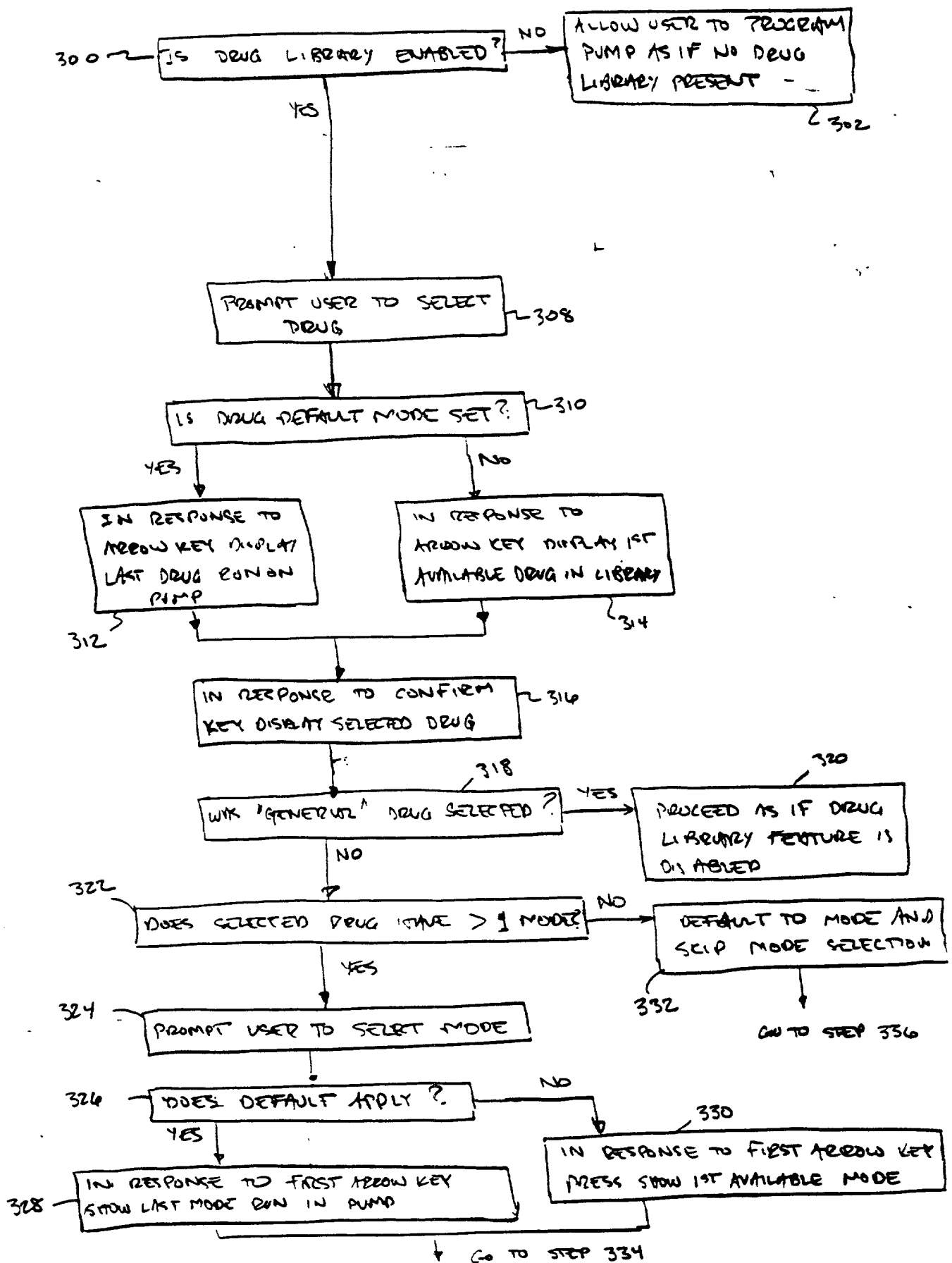


FIG. 19b

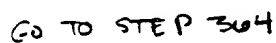
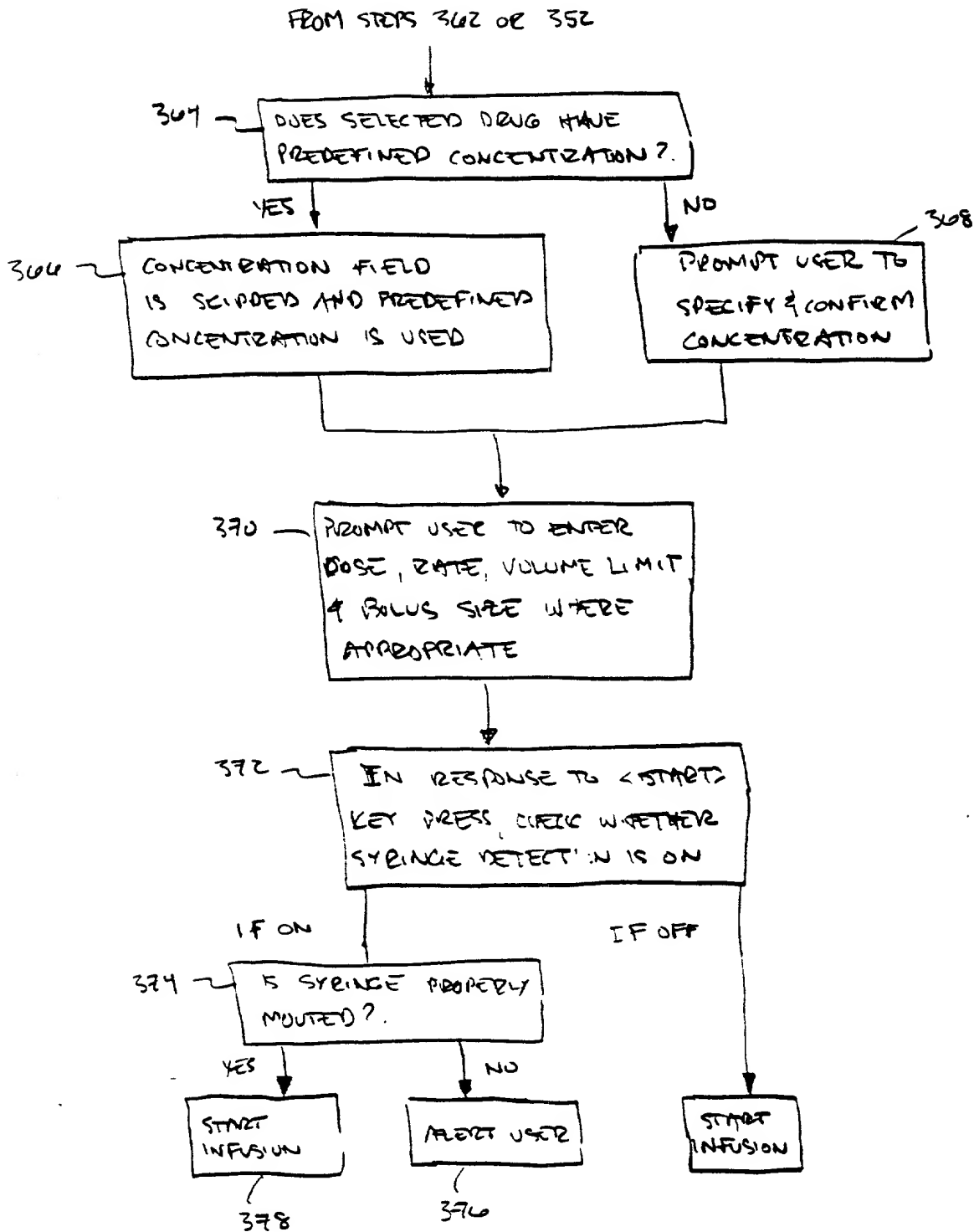


FIG. 19c



108050-4042860

SYRINGE

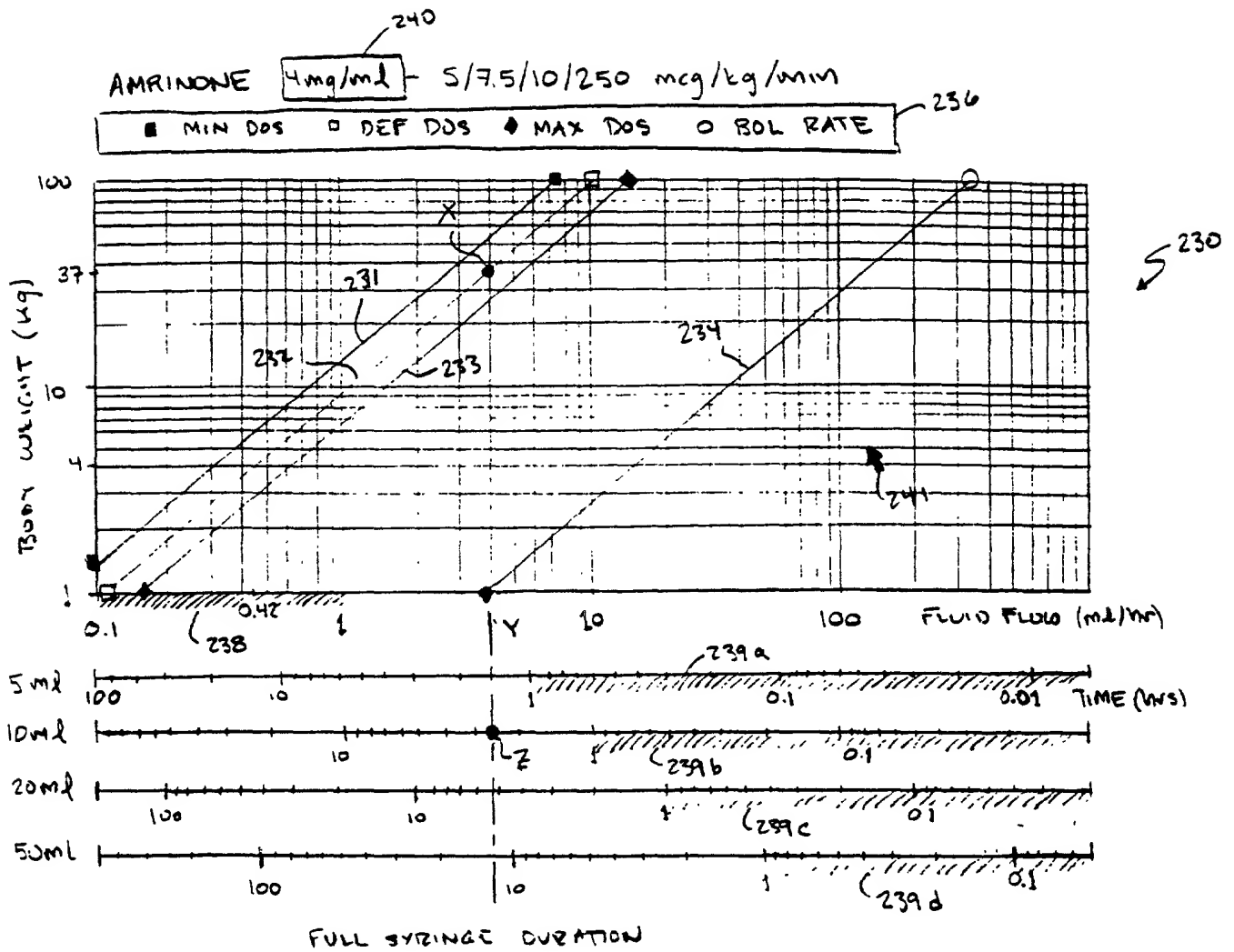


FIG 20

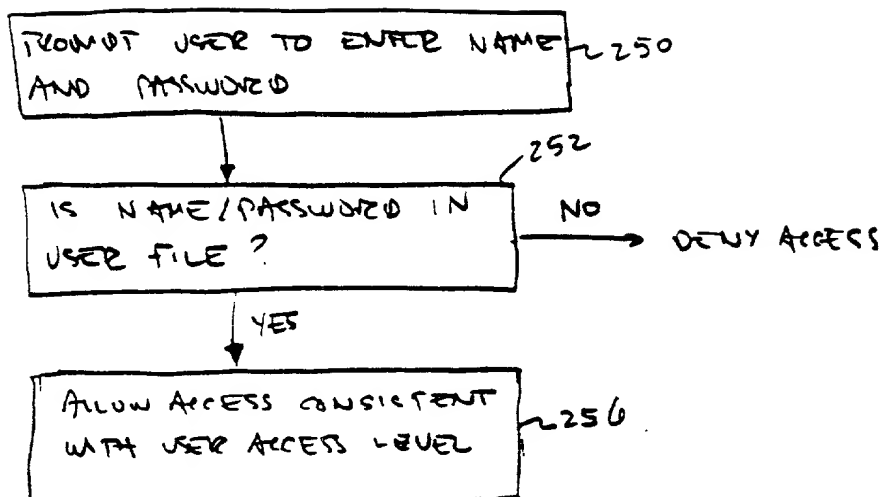


FIG. 21

0937404-000001

260

262 ~	USER NAME #1	DATE #1	TIME #1
264 ~	USER NAME #2	DATE #2	TIME #2
266 ~	USER NAME #3	DATE #3	TIME #3

FIG. 22

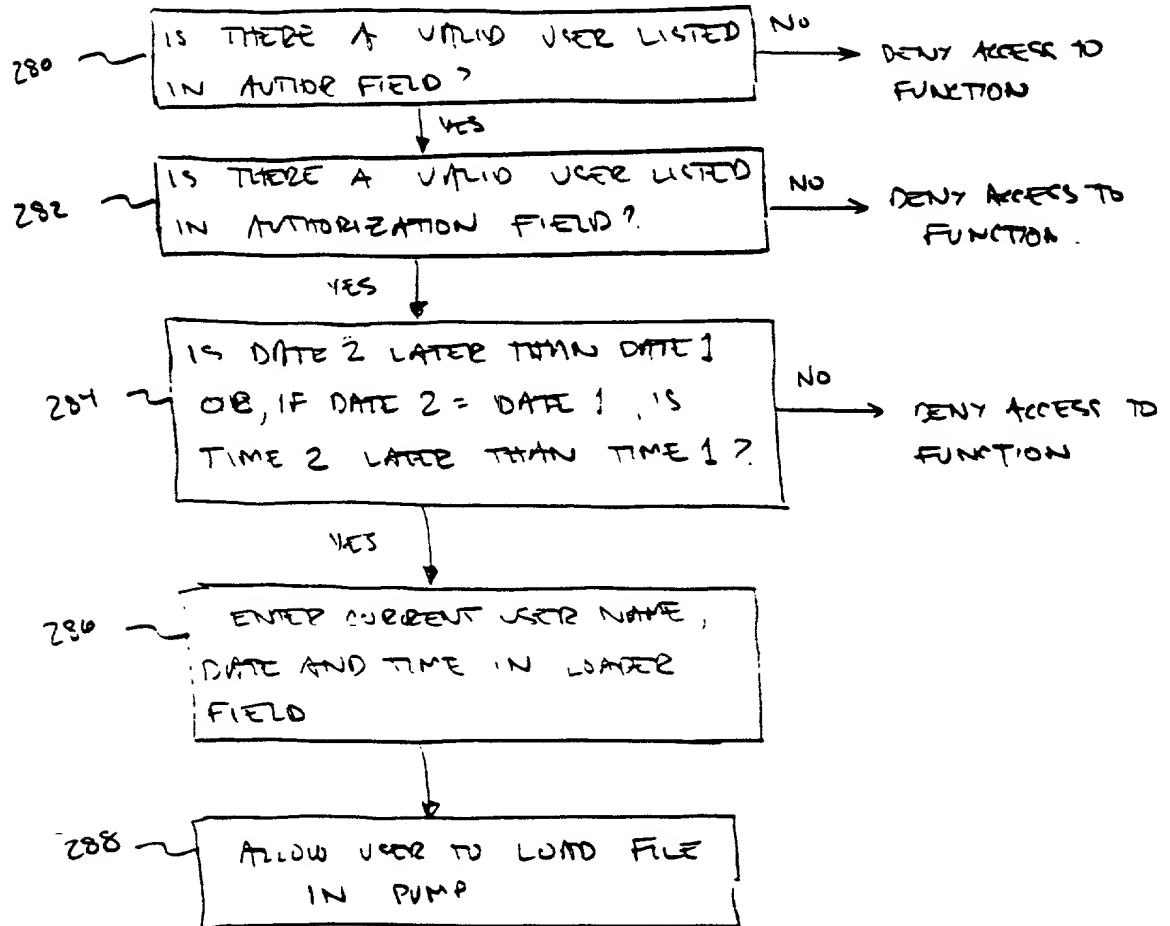


FIG. 23

100090-4042860

	220	222	224	226
	mL/hr	Units/hr	mcg/min	mcg/kg/min
200	Select Mode, Syringe Mfr, Syringe Size	Select Mode, Syringe Mfr, Syringe Size	Select Mode, Syringe Mfr, Syringe Size	Select Mode, Syringe Mfr, Syringe Size
202				Enter the patient's body weight in kilograms (kg)
204		Enter the drug concentration in Units per milliliter (U/mL)	Enter the drug concentration in milligrams per milliliter (mg/mL)	Enter the drug concentration in milligrams per milliliter (mg/mL)
206	Enter the infusion RATE in milliliters per hour (mL/hr)	Enter the infusion DOSE in Units per hour (U/hr)	Enter the DOSE in micrograms per minute (mcg/min)	Enter the DOSE in micrograms per kilogram per minute (mcg/kg/min)
208	Enter the Volume Limit (mL)			
210	Enter the bolus size in milliliters (mL)	Enter the bolus size in Units	Enter the bolus size in milligrams (mg)	Enter the bolus size in micrograms per kilogram of body weight (mcg/kg)
212	PURGE system	PURGE system	PURGE system	PURGE system
214	Press <START>	Press <START>	Press <START>	Press <START>

FIG 24

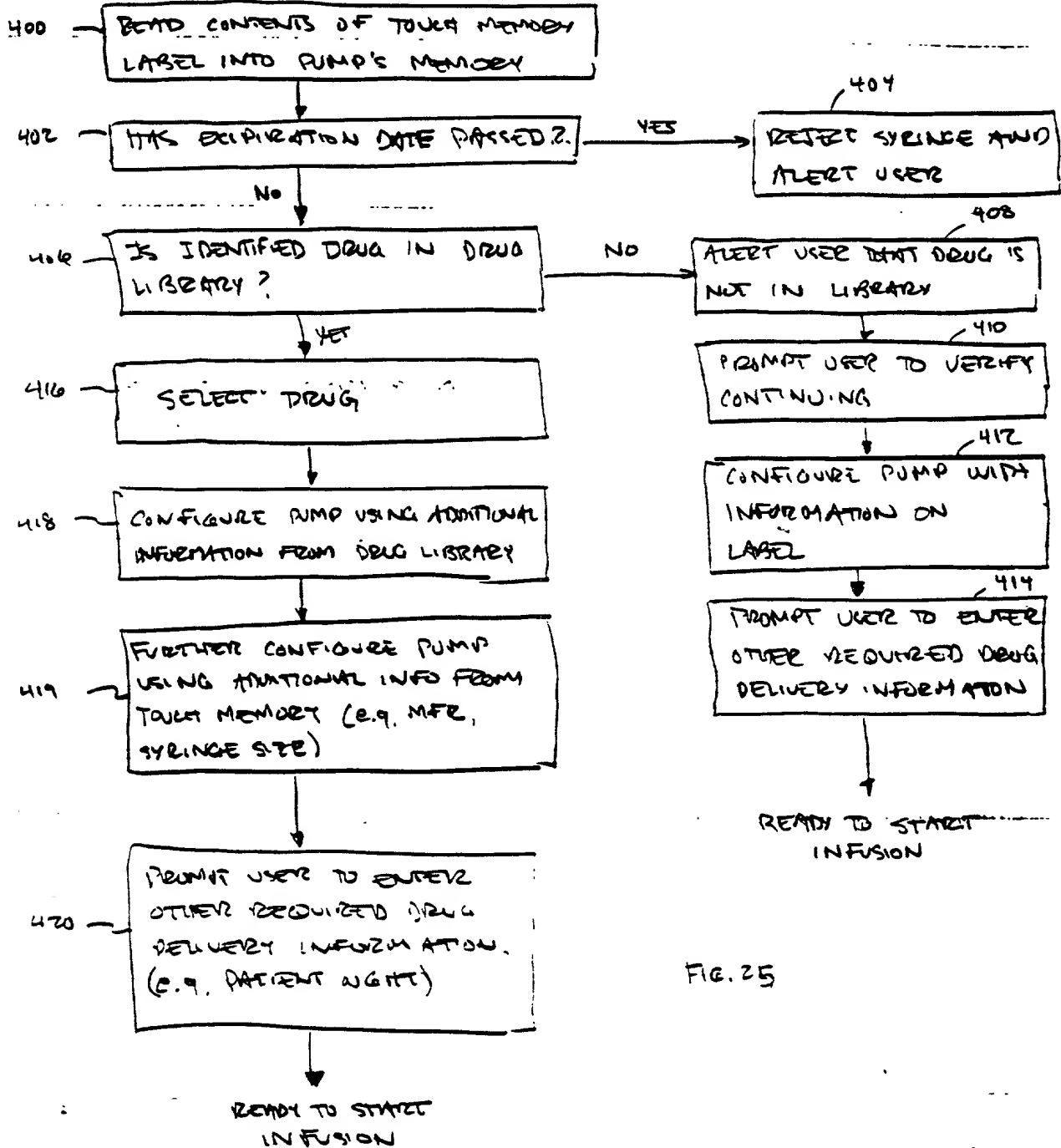


FIG. 25

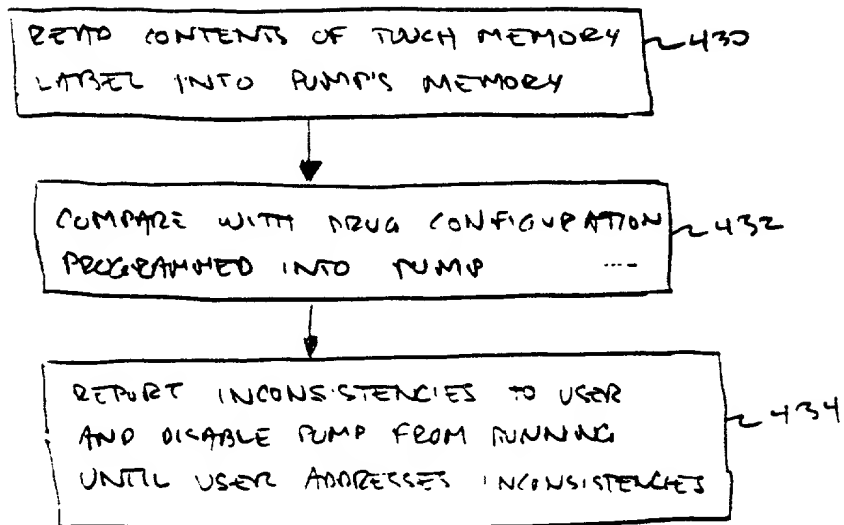


FIG 26